

Professional and Scientific Staff Management  
Temporary Staffing System  
Deployment Proposal  
2016-12-07

Rob Sanchez and Juan Carcamo  
CIS 641, Fall 2016  
Schymik

# Contents

1 Introduction

2 Description

3 Effort

4 Analysis

4.1 Functional

4.2 Structural

4.3 Behavioral

5 Design

6 User Interface

7 Physical Architecture

8 Testing

9 Change Management

10 Conclusion

## 1. Introduction

## 2. Description

### 2.1 Requirements

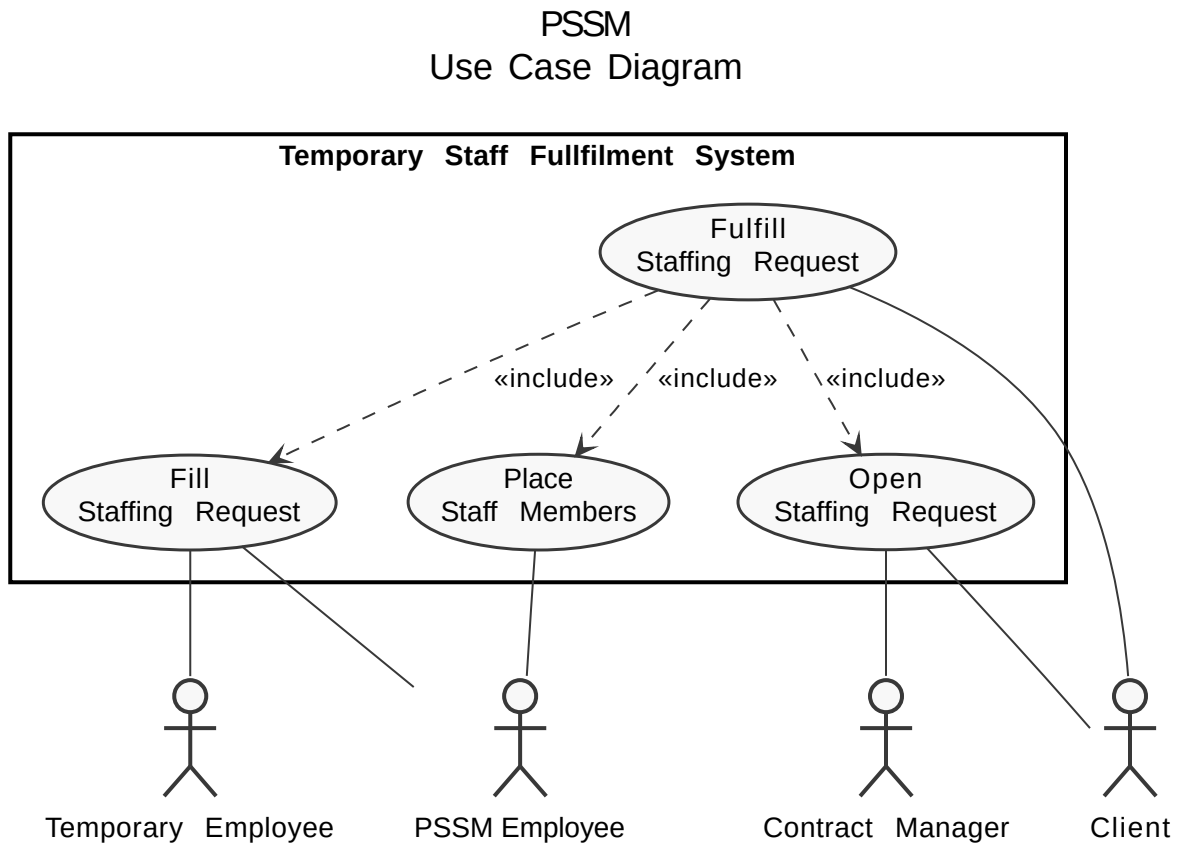
### 3. Effort

## 4. Analysis

### 4.1 Functional

#### 4.1.1 Use Case Diagram

The following Use Case Diagram depicts the main business processes and actors required by the Temporary Staffing System.



### 4.1.2 Activity Diagram

The following Activity Diagram

### 4.1.3 Use Case Descriptions

The following four Use Case Descriptions functionally document the business processes depicted in the Use Case Diagram and Activity Diagram presented in sections 4.1.1 and 4.1.2. These are used to build the structural models for the Staffing System.

Use Case Name:	Open Staffing Request (detailed)
Scenario:	Create a new outstanding Staffing Request.
Triggering event:	Client contacts PSSM and demands a new temporary staff arrangement.
Brief description:	PSSM receives a new demand for temporary staffing from the Client. PSSM's Contract Manager reviews the contract terms. If the new demand is not valid, the demand is returned to the Client with a Why Letter explaining. Otherwise, a new Staffing Request is opened in the Contract database and Placement is notified.
Actors:	Client, Contract Manager
Related use cases:	Place Staff Members, Fulfill Staffing Request
Stakeholders:	Contract Manager, Temporary Employee, Placement department
Pre-conditions:	A valid demand.
Post-conditions:	A new outstanding Staffing Request is created and the Placement department is notified.

Flow of activities:		
	Actor	System
	1. Client demands a new temporary staff arrangement 2. Contract manager reviews the client contract 3. Contract manager opens a new Staffing Request	2-1. Referencing the contract number on the new demand, the System pulls the Client contract details from the Contract database. 2-2. System creates a New Vehicle entry and saves associated details: serial number, description, make, model, features, etc. 3-1. System creates a new Staffing Request, marking it outstanding 3-2. System notifies Placement department of outstanding Staffing Request.



Exception conditions:	2-1. Demand is invalid, send Why Letter to Client explaining. File letter locally.
-----------------------	--

Use Case Name:	Place Staff Members (detailed)
Scenario:	Find suitable temporary staff to fill a client demand.
Triggering event:	Contract Manager opens a new outstanding Staffing Request, and the System notifies the Placement department.
Brief description:	Placement department checks position type, experience, and qualifications specified on the Staffing Request in the staff database.
Actors:	Placement department: PSSM Employee
Related use cases:	Open Staffing Request, Fill Staffing Request, Fulfill Staffing Request
Stakeholders:	Placement department, Contract Manager, Arrangements department, Temporary Employee
Pre-conditions:	A new outstanding Staffing Request must exist. A qualified Temporary Employee must be available.
Post-conditions:	A qualified Temporary Employee is marked as “reserved” and the Arrangements department is notified.

Flow of activities:		
	Actor	System
	1. A PSSM Employee from Placement checks the position type, experience, and qualifications specified in the Staffing Request against the database of available Temporary Employees. 2. The Temporary Employee is marked as “reserved”	1-1. System pulls available Temporary Employees matching the Staffing Request. 2-1. The System forwards the Staffing Request to the Arrangements department and notifies them that a possible match was found.

Exception conditions:	2-1. A qualified Temporary Employee is not available and an “unable-to-fill” Memo is explaining is attached to the Staffing Request.
-----------------------	--

Use Case Name:	Fill Staffing Request (detailed)
Scenario:	Arrange a Temporary Employee assignment for a Client.
Triggering event:	A possible qualified and available staff candidate is marked as “reserved” in the System, and Arrangements in notified.
Brief description:	A potential temporary staff member is contacted and after settling details negotiating terms, the Temporary Employee is placed with the client and the Staffing Request is Closed.
Actors:	Arrangments department: PSSM Employee, Temporary Employee
Related use cases:	Place Staff Members, Fulfill Staffing Request
Stakeholders:	Client, Temporary Employee, Arrangements department
Pre-conditions:	A possible qualified and available temporary staff candidate has been marked as “reserved” in the System.
Post-conditions:	A Temporary Employee is marked as “placed” in the System. The open Staffing Request is closed. A copy of the original Staffing Request and a Bill is sent to the Client. The Staffing Request, any “unable-to-fill” memos and a copy of the Bill are sent to the Contract Manager.

Flow of activities:		
	Actor	System

Exception conditions:	
-----------------------	--

Use Case Name:	Fulfill Staffing Request (overview)
Scenario:	Open and fill a Staffing Request in order to place a Temporary Employee with a Client to meet a demand.
Triggering event:	A Client contacts PSSM to demand a new temporary staff arrangement.
Brief description:	The PSSM Contract Manager receives the Client demand and reviews the contract details. The Placement department finds a suitable staff member to meet the Client demand. Arrangements department negotiates the arrangement and places the employee with the Client.
Actors:	Client
Related use cases:	Open Staffing Request, Place Staff Members, Fill Staffing Request
Stakeholders:	Client
Pre-conditions:	Client and PSSM have an active contract in place.
Post-conditions:	A Temporary Employee is placed with the Client.

Flow of activities:		
	Actor	System
	1. Contract Manager opens a Staffing Request. 2. The Placement department identifies a suitable staffing candidate. 3. The Arrangements department negotiates with and places the Temporary Employee with the Client.	1. Placement department is notified. 2. Arrangements department is notified. 3. The Client is billed.

Exception conditions:	2-1. The Staffing Request cannot be fulfilled, the client is notified. The SR, Bill, and “unable-to-fill” Memo are filed in the Contract office.
-----------------------	--

4.2

5. Design

## 6. User Interface

## 7. Physical Architecture

## 8. Testing

## 9. Change Management



## 10. Conclusion